ELEVENTH ANNUAL REPORT

of the

STATE MINE INSPECTOR

for the year ending

NOVEMBER 30, 1922

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LETTER OF TRANSMITTAL

Phoenix, Arizona, December 31, 1922.

Hon. Thomas E. Campbell,
Governor of Arizona.

Sir:

As provided for in Section 16, Session Laws 1912, relating to the office of Mine Inspector, I have the honor to submit herewith the Eleventh Annual Report of this department.

Respectfully yours,

JOHN F. WHITE,
State Mine Inspector.

STATISTICAL TABLES

TABLE NO. 1. List of operating mine and postoffice address.

TABLE NO. 2. Number of inspections made, number of men employed and tonnage per month.

TABLE NO. 3. Method of operation and character of ore.

TABLE NO. 4. Serious and minor accidents, their cause and nature.

TABLE NO. 5. Fatal accidents and their cause.

TABLE NO. 6. Summary, including financial statement.

MINING COMPANIES AND LOCATION

NAME OF COMPANY	AGENT	POSTOFFICE	COUNTY
American Smelting and Refining Co.	R. E. Kohler	Silverbell	Pima
Arizona Commercial Mining Co.	H. C. Plummer	Globe	Gila
Arizona Copper Co., Ltd.	John Kiddie	Clifton	Greenlee
Arizona Hercules Copper Co.	L. A. Wilson	Ray	Pinal
Arizona National Mining Co.	Ed. Hill	Prescott	Yavapai
Arizona Tucson Copper Co.	Ed. Holderness	Tucson	Pima
Bonham, Pope and Ryal	Lessees	Bisbee	Cochise
Boras Leasing Co.	H. Hendrickson	Warren	Cochise
Bullard and De Albini	Lessees	Bisbee	Cochise
Bunker Hill Mines Co.	John H. Davis	Tombstone	Cochise
Calumet and Arizona Mining Co.	J. C. Greenway	Warren	Cochise
Central Copper Co. of Arizona, Inc.	Jno. W. Prout, Jr.	Dos Cabezas	Cochise
Chapman and Bullard	Lessees	Bisbee	Cochise
Colson, Horton and Lorrengen	Lessees	Bisbee	Cochise
Commonwealth Development Co	F. F. Bryant	Pearce	Cochise
Cook Group of Mining Claims	Geo. F. Cook	Winkelman	Gila
Dives Mining Co.	F. F. Friant	Dos Cabezas	Cochise
Frankenberg and Allison	Lessees	Bisbee	Cochise
Gibben's Lease	F. J. Gibbens	Gleeson	Cochise
M. R. Gilman	Lessee	Bisbee	Cochise
Gold Ore Mining Co.	A. C. Werden	Goldroad	Mohave
Hilltop Metals Mining Co.	R. O. Fife	Hilltop	Cochise
Hobbs and Hargis	Lessees	Bisbee	Cochise

NAME OF COMPANY	AGENT	POSTOFFICE	COUNTY
Horn and Cook	Lessees	Bisbee	Cochise
Hunt and Finity	Lessees	Bisbee	Cochise
Inspiration Consolidated Copper Co.	T. H. O'Brien	Inspiration	Gila
Irish Mag Leasing Co.	M. J. Elsing	Warren	Cochise
Iron Cap Copper Co.	F. A. Woodward	Globe	Gila
Johnson Copper Development Co.	J. F. Tong	Johnson	Cochise
Katherine Gold Mining Co.	R. L. Dimmick	Kingman	Mohave
Magma Copper Co.	W. C. Browning	Superior	Pinal
C. A. McDonald	Lessee	Lisbee	Cochise
Miami Copper Co.	F. W. Maclennon	Miami	Gila
Mildred Gold Mining Co.	L. L. White	Congress Junction	Yavapai
W. J. Mitchell	Lessee	Patagonia	Santa Cruz
Mizpah Mine		Wickenburg	Maricopa
New Cornelia Copper Co	M. Curley	Ajo	Pima
Night Hawk Leasing Co.	James McKenna	Bisbee	Cochise
Oatman Gold Mining and Milling Co.	Chas. F. Pugh	Oatman	Mohave
Oatman United Gold Mining Co.	H. N. Hammond	Oatman	Mohave
Old Dominion Co.	W. G. McBride	Globe	Gila
Patterson and Smith	Lessees	Bisbee	Cochise
Phelps Dodge Corporation (Copper Queen Branch)	G. H. Dowell	Bisbee	Cochise
Phelps Dodge Corporation (Morenci Branch	J. P. Hodgson	Morenci	Greenlee
Ray Consolidated Copper Co.	W. S. Boyd	Ray	Pinal
Reese and Smith	Lessees	Bisbee	Cochise

NAME OF COMPANY	AGENT	POSTOFFICE	COUNTY
Roadside Mine	Courtney DeKalb	Tucson	Pima
Rosemont Development Co	E. B. Corbet	Tucson	Pima
Seventy-Nine Mining Co.	D. Gough	Winkelman	Gila
Shaw and Cromer	Lessees	Bisbee	Cochise
Shea Copper Co.		Jerome	Yavapai
Sheldon Mining Co.	J. R. Ackerman	Prescott	Yavapai
Shields and Hughes	Lessees	Bisbee	Cochise
Signal Mines Co.	M. J. Keily	Yucca	Mohave
Southwest Metals Co.	E. E. Axford	Mayer	Yavapai
Stargo Mines, Inc.	Dr. Ray Ferguson	Morenci	Greenlee
Superior and Boston Copper Co.	E. G. Deane	Copper Hill	Gila
Swansea Con. Gold & Copper Mng. Co.	E. S. Smith	Swansea	Yuma
Telluride Mining, Milling & Dev. Co.	Rob't. J. Lyons	Oatman	Mohave
Tom Reed Go'd Mines Co.	W. B. Phelps	Oatman	Mohave
United American Mining Co.	A. L. Nielson	Oatman	Mohave
United Eastern Mining Co.	Roy W. Moore	Oatman	Mohave
United Verde Copper Co.	Rob't. E. Tally	Jerome	Yavapai
United Verde Extension Mining Co.	George Kingdon	Jerome	Yavapai
Verde Central Mining Co.	E. L. Bartholomew	Jerome	Yavapai
Vivian Mining Co.		Oatman	Mohave
Williams and Co.	M. A. Williams	El Capitan	Gila
Williams and Massey		Tombstone	Cochise
Wolverine and Arizona Mining Co.	Mark Bailey	Bisbee	Cochise
Young's Mines Co.	Charles Braun	Goldfield	Pinal

NUMBER OF INSPECTIONS MADE, NUMBER OF MEN EMPLOYED AND TONNAGE PER MONTH

Mines	Name of Operator	No. of Insp. Made	Number of Men Employed: First Inspection Surface	First Inspection Under Ground	Last Inspection Surface	Last Inspection Under Ground	Tonnage per Month: 1st. Insp.	Tonnage per Month: Last Insp.
Imperial	Am. Smelting & Refining Co.	1	2	6	.....	.....	Developing	
Copper Hill & No. 2	Ariz. Commercial Mng. Co.	3	33	58	31	74	3000	6000
Hercules	Ariz. Hercules Copper Co.	1	15	32	.....	.....	Not producing	
Ariz. National	Ariz. National Mng. Co.	1	3	8	.....	.....	Developing	
Frac. of Ella and Southwest Claims on 300 ft. level	Bonham, Pope and Ryal	1	.....	7	.....	.....	200	
	Boras Leasing Co.	2	7	18	8	25	Developing	1200
Frac. of Atlanta & Cave Claims to 100 Holbrook level	Bullard & De Albini	1	2	11	.....	.....	1000	
Junction & Briggs	Calumet & Ariz. Mng. Co.	3	63	282	99	525	Developing	40000
Con. & Elma	Central Copper Co. of Ariz., Inc.	2	48	57	39	46	Developing	
Frac. of Atlanta & Cave to 100 ft. level	Chapman & Bullard	1	2	9	.....	.....	800	
Frac. of Lowell Incline Shaft to 200 ft. level	Colson, Horton & Lorengen	1	2	6	.....	.....	300	
Commonwealth	Commonwealth Dev. Co.	1	.....	70	.....	.....	800	
Dives	Dives Mining Co.	1	Employing 7 men		.....	.....	Developing	

Mines	Name of Operator	No. of Insp. Made	Number of Men Employed First Inspection Surface	First Inspection Under Ground	Last Inspection Surface	Last Inspection Under Ground	Tonnage per Month 1st. Insp.	Tonnage per Month Last Insp.
Frac. of Copper Prince	Frankenberg & Allison	1	.....	6	.....	.....	500	
Gibben's Lease	F. J. Gibbens	1	Employing 10 men		.....	.....	300	
Czar Incline	M. R. Gilman	1	3	8	.....	.....	450	
No. 1, 2 & 3 Tunnels	Hilltop Metals Mining Co.	1	5	18	.....	.....	Developing	
Neptune & frac. of Sacramento Hill	Hobbs & Hargis Lease	2	8	.....	14	.....	300	1200
Frac. of Southwest 500-foot level	Horn and Cook	1	.....	7	.....	.....	100	
Frac. of 5th level of Southwest	Hunt & Finity	1	.....	7	.....	.....	500	
Live Oaks & Porphyry Divisions, Porphyry No. 1 & No. 2 & Live Oaks No. 2	Inspiration Con. Copper Co.	3	15	108	16	132	Developing	3500
Main Division, Main East & West, Winnie No. 2 & Incline Shafts Winzes No. 37 1-2 & 49 1-2	Inspiration Con. Copper Co.	3	57	434	49	883	Dev.	350000
Irish Mag	Irish Mag Leasing Co.	1	2	6	.....	.....	Development	
Iron Cap & Williams Shafts	Iron Cap Copper Co.	3	42	81	42	96	6000	7000

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DATE _____

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RECEIVED FROM THE ARIZONA STATE LIBRARY THE FOLLOWING DEPARTMENTAL PUBLICATIONS:

CORPORATION COMMISSION	Insurance Division 9th an rpt June 30,1922.
HEALTH BOARD	Bl.Vol.X No.22 July,1922.
	" " X11 " 25 April,1923.
MINE INSPECTOR	11th an rpt Nov.30,1922.
Agri. and Hort. Com.	14th " " June " "

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Mines	nnage per Month Insp.	Last Insp.
Frac. of C	500	
Gibben's 1	300	
Czar Incli	450	
No. 1, 2 &	eloping	
Neptune &		
Sacrament	300	1200
Frac. of		
500-foot	100	
Frac. of 5t		
Southwest	500	
Live Oaks		
ry Divisior		
ry No. 1 &		
Live Oaks	eloping	3500
Main Divis		
East & We		
No. 2 & Inc		
Winzes No		
49 1-2		350000
Irish Mag .	lopment	
Iron Cap &		
Shafts	00	7000

Mines	Name of Operator	No. of Insp. Made	Number of Men Employed: First Inspection Surface	First Inspection Under Ground	Last Inspection Surface	Last Inspection Under Ground	Tonnage per Month: 1st. Insp.	Last Insp.
Johnson	Johnson Copper Dev. Co.	1	2	5	.....	.....	Development	
Hub, Silver Tip & Jumbo	Magma Copper Co.	4	43	70	43	69	Not producing	
Frac. of Hayes to 100 ft. level	C. A. McDonald	1	1	5	.....	.....	100	
Shafts No. 2, 3, 4 & 5	Miami Copper Co.	3	37	811	24	838	165000	165000
Mildred	Mildred Gold Mining Co.	1	2	5	.....	.....	Developing	
Mowry	W. J. Mitchell	1	2	4	.....	.....	Developing	
New Cornelia	New Cornelia Copper Co.	1	75	.....	.....	.....	75000	
Night Hawk	Night Hawk Leasing Co.	2	3	21	5	23	1000	1200
Oatman Gold Mine	Oatman Gold Mining & Milling Co.	1	5	8	.....	.....	Developing	
Oatman United	Oatman United Gold Mining Co.	1	11	9	.....	.....	Developing	
A Shaft and Tributaries including K, Grey and C	Old Dominion Co.	4	33	77	74	505	Not pro.	21600
Southwest Lease on 400 ft. level	Patterson & Smith	1	1	8	.....	.....	400	
Czar, Southwest, Lowell & Sacramento & Gardner	Phelps Dodge Corporation (Copper Queen Branch)	3	432	480	414	758	6000	15000

Humboldt, Clay, Ya-

Mines	Name of Operator	No. of Insp. Made	Number of Men Employed: First Inspection Surface	First Inspection Under Ground	Last Inspection Surface	Last Inspection Under Ground	Tonnage per Month: 1st. Insp.	Tonnage per Month: Last Insp.
vapai & West Yankee & Ryerson stockpiles, Matilda Shaft, Coronado Mine & Coronado Adit	Phelps Dodge Corporation (Morenci Branch)	3	86	117	98	112	1000	6220 & 12000 from stockpiles
Ray Con.	Ray Consolidated Copper Co.	3	90	164	112	648	40000	150000
Incline Shaft to 200 Holbrook level	Reese & Smith	1	2	7	.....	.....	200	
Roadside	Mrs. C. P. Huntington—(Owner)	1	9	6	.....	.....	Developing	
Daylight, King & Peach	Rosemont Development Co.	1	13	14	.....	.....	Developing	
Seventy-Nine	Seventy-Nine Mining Co.	3	5	40	19	54	475	475
Frac. of Ella & Atlanta to 400 Southwest level	Shaw and Cromer	1	.....	12	.....	.....	800	
Sheldon	Sheldon Mining Co.	1	9	9	.....	.....	Developing	
Frac. of Sacramento Hill	Shields & Hughes	1	6	.....	.....	.....	550	
Signal	Signal Mines Co.	1	14	21	.....	.....	3000	
Blue Bell	Southwest Metals Co.	2	13	9	24	32	.....	200

Mines	Name of Operator	No. of Insp. Made	Number of Men Employed: First Inspection Surface	First Inspection Under Ground	Last Inspection Surface	Last Inspection Under Ground	Tonnage per Month: 1st. Insp.	Last Insp.
No. 1 & 2 Shafts	Stargo Mines, Inc.	1	6	19	.....	.....	Not producing	
McGaw & Eclipse Shafts	Superior & Boston Copper Co.	4	23	46	29	86	Not pro.	1500
No. 7 Shaft of Signal Group	Swansea Con. Gold & Cop. Mng. Co.	2	44	92	24	180	4500	6000
Telluride	Telluride Mng., Milling & Dev. Co.	1	9	5	.....	.....	800	
Aztec, Grey Eagle & Bald Eagle	Tom Reed Gold Mines Co.	3	12	48	11	89	3500-4000	3500
United American	United American Mining Co.	1	7	9	.....	.....	800	
United Eastern & Big Jim	United Eastern Mining Co.	3	35	114	62	107	9600	8000
No. 5 & 6 Shafts	United Verde Copper Co.	3	202	130	374	555	3000	50000
Edith & Audrey Shafts	United Verde Extension Mining Co.	3	68	105	67	297	3000	14000
Verde Central	Verde Central Mining Co.	2	13	23	11	41	Developing	
El Capitan	Williams & Co	1	3	11	.....	.....	Developing	
Wolverine	Wolverine & Arizona Mining Co.	1	6	9	.....	.....	Repairing	
Young's	Young's Mines Co.	1	23	12	.....	.....	Not producing	

METHOD OF OPERATING AND CHARACTER OF ORE

NAME OF OPERATOR	MINE	METHOD OF OPERATION	CHARACTER OF ORE
American Smelting and Refining Co.	Imperial	Driving tunnel and sinking winze	Copper.
Arizona Commercial Mining Co.	Copper Hill & No. 2	Thru vertical shafts by square set and shrinkage stoping	Copper ore. Ledge dep.
Arizona Hercules Copper Co.	Hercules	Square sets & shrinkage	Copper.
Arizona National Mining Co.	Ariz. National	Stull and fill	Silver & lead.
Bonham, Pope and Ryal	Frac. of Ella and Southwest Claims on 300 ft. level	Mining small stringers	Copper.
Boris Leasing Co.	Boris	Square set, cut & fill and stulling	Copper.
Bullard and De Albini	Frac. of Atlanta and Cave Claims to 100 Holbrook level	Open stopes and some square setting and cut and fill	Copper.
Calumet and Arizona Mining Co.	Briggs, Junction and Cole No. 3	Square set, stull & fill, incline, cut & fill	Copper.
Central Copper Co. of Arizona, Inc.	Consolidated & Elma	Developing tunnels and shafts	Metal mine. Copper.
Chapman and Bullard	Frac, of Atlanta and Cave to 100 ft. level	Open stopes, cut and fill and some square setting	Copper.
Colson, Horton and Lorengen	Frac. of Lowell Incline Shaft to 200 ft. level	Gouging and square setting	Copper, silver and lead.
Commonwealth Develop-			

NAME OF OPERATOR	MINE	METHOD OF OPERATION	CHARACTER OF ORE
ment Co.	Commonwealth	Developing	Silver.
Dives Mining Co.	Dives	Cleaning out tunnels	Gold, lead and silver.
Frankenberg and Allison	Frac. of Copper Prince	Working on stringers and old fills	Copper.
F. J. Gibbens	Gibben's Lease	Cleaning out and preparing to operate	Copper and silver.
M. R. Gilman	Czar Incline	Opening up old workings and gouging	Copper, silver and lead.
Hilltop Metals Mining Co.	No. 1, 2 and 3 tunnels	Tunnels and drifts	Lead and silver.
Hobbs and Hargis	Neptune and frac of Sacramento Hill	Open cut	Copper.
Corn and Cook	Frac, of Southwest 500 ft. level	Gouging on stringers of ore	Silver and lead.
Hunt and Finity	Frac. of 5th level of Southwest	Square setting and gouging streaks	Copper, silver and lead.
Inspiration Consolidated Copper Co.	Main Div., Main East and West, Winnie No. 2 and Incline Shafts, Winzes No. 37 1-2 and 49 1-2	Thru vertical shafts and incline by shrinkage stoping	Dis. chal. in schist. Copper Ore.
Inspiration Consolidated Copper Co.	Live Oaks and Porphyry Divisions	Thru vertical shafts by shrinkage stoping	Copper mine. Dis. chal. in schist.
Irish Mag Leasing Co.	Irish Mag	Drifting	Copper.
Iron Cap Copper Co.	Iron Cap and Williams Shafts	Thru vertical shafts by shrinkage and square set stoping, bottom slicing and cut and fill stoping	Copper ore. Ledge deps.
Johnson Copper Dev. Co.	Johnson	Thru shaft	Copper.
Magma Copper Co.	Hub, Silver Tip and	Thru vertical shafts by square set	Ledge deposit copper and

NAME OF OPERATOR	MINE	METHOD OF OPERATION	CHARACTER OF ORE
	Jumbo	stoping	silver ore.
C. A. McDonald	Frac. of Hayes to 100 ft. level	Developing	Copper.
Miami Copper Co.	Shafts No. 2, 3, 4 & 5	Thru vertical shafts by crosscuts, drifts and sinkage stoping	Dis. chal. in schist. Copper Ore.
Mildred Gold Mining Co.	Mildred	Drifting and square sets	Gold and silver.
W. J. Mitchell	Mowry	Drifting and crosscutting	Lead and silver.
New Cornelia Copper Co.	New Cornelia	Steam shovel	Copper.
Night Hawk Leasing Co.	Night Hawk	Square setting, cut and fill and gouging	Copper.
Oatman Gold M & M Co.	Oatman Gold Mine	Shaft and crosscut	Gold.
Oatman United Gold Mg. Co.	Oatman United	Developing	Gold.
Old Dominion Co.	A Shaft and Tributaries including K, Grey and C	Thru vertical shafts by top and bottom slicing and square set stoping	Copper mine. Ledge dep.
Patterson and Smith (Lessees)	Southwest Lease on 400 ft. level	Gouging on stringers of ore	Silver and lead.
Phelps Dodge Corporation (Copper Queen Branch)	Czar, Southwest, Gardner, Lowell and Sacramento	Square setting and top slicing	Copper, silver and lead.
Phelps Dodge Corporation (Morenci Branch)	Joy, Clay, Liverpool Coronado, Matilda Humboldt, Yavapai and West Yankee and Ryerson stockpiles	Thru vertical shafts by incline slicing, raises and shrinkage stoping	Copper ore. Ledge dep

NAME OF OPERATOR	MINE	METHOD OF OPERATION	CHARACTER OF ORE
Ray Con. Copper Co.	Ray Con.	Thru vertical shafts by square sets and shrinkage stoping	Copper mine. Dis. ore in porphyry.
Reese and Smith	Incline Shaft of Neptune leased to 200 ft. Holbrook level	Development	Copper.
Rosemont Dev. Co.	King, Peach, Daylight	Drifting, developing and repairing	Copper.
Roadside Mine (Mrs. C. P. Huntington, owner)	Roadside	Sinking shaft	Copper.
Seventy-nine Mining Co.	Seventy-nine	Thru tunnels by room, pillar and stull and fill stoping	Lead, copper, gold and silver. Ledge deposit.
Shaw and Cromer (lessees)	Frac. of Atlanta and Ella to 400 Southwest level	Square set, cut and fill and gouging streaks	Copper, silver and lead.
Sheldon Mining Co.	Sheldon	Shafts and drifts	Copper, gold and silver
Shields and Hughes	Frac. of Sacramento Hill	Stripping the ore out of steam shovel benches	Copper.
Signal Mines Co.	Signal	Slice and timber	Silver and lead.
Southwest Metals Co.	Blue Bell	Cut, fill and sink	Copper.
Stargo Mines, Inc.	No. 1 and 2 Shafts	Thru vertical shafts and raises by stull and fill stoping	Silver and gold. Ledge deposit.
Superior & Boston Cop. Co.	McGaw and Eclipse Shafts	Thru vertical shafts by drifts, crosscuts, raises and stull and fill stopes	Copper and silver ore. Ledge deposit
Swansea Con. Gold & Copper Mining Co.	Shaft No. 7 of Signal Group	Top slicing and crosscutting	Copper.

NAME OF OPERATOR	MINE	METHOD OF OPERATION	CHARACTER OF ORE
Telluride Mining, Milling and Development Co.	Telluride	Cut and fill	Gold.
Tom Reed Gold Mines Co.	Aztec, Grey Eagle and Bald Eagle	Cut and fill stopes and shrinkage stoping	Gold.
United American Mining Co.	United American Shaft	Shaft, drifts, crosscuts, winze and stope	Quartz gold mine.
United Eastern Mining Co.	United Eastern and Big Jim	Cut and fill stopes	Gold.
United Verde Copper Co.	No. 5 and 6 Shafts	Cut and fill, square setting and open pit	Copper, gold and silver.
United Verde Ex. Mng. Co.	Edith and Audrey Shafts	Square set and fill	Copper.
Verde Central Mining Co.	Verde Central	Sinking, shafts and drifts	Copper.
Williams and Co.	El Capitan	Thru tunnels by stull and fill stoping	Silver mine. Ledge dep.
Wolverine & Ariz. Mng. Co.	Volverine	Repairing and cleaning out	Copper.
Young's Mines Co.	Young's	Drifting	Gold.

SERIOUS AND MINOR ACCIDENTS

ARIZONA COPPER CO., LTD.

DATE	NAME	CAUSE	NATURE
1921			
December.			
24	Pio Alonzo	Fell from ladder	Cut head.
29	Amador Nabor	Stumbled and fell	Caught finger.

ARIZONA COMMERCIAL MINING Co.

1922			
April			
7	Arnold Johnson	Hand under car wheel	Incised wound finger.
18	Egnos Gastovich	Nail in lagging	Puncture wound right knee.
June			
16	Eduardo Mendez	While drawing chute	Con. end left ring finger.
28	Walter Zent	Falling rock	Con. left foot.
July			
24	T. Cota	Person falling	Lac. wound right forearm.
August			
17	Adolph Ranta	Slipped	Sprained left leg.
24	Eli Vucksanovich	Passing under chute	Con. & lac. end of finger.
28	Lee Hill	Falling ground	Con. right leg.
September			
8	Dave Faust	Infection from scratch	Right hand infected.
October			
13	E. Sandoval	Falling piece of steel	Frac. end little toe.

DATE	NAME	CAUSE	NATURE
November			
17	Carlos Jaime	Falling rock at chute	Con. toes left foot.
CALUMET AND ARIZONA MINING CO.			
1921			
December			
22	D. Roche	Piece of dirt in eye	Dirt in eye.
1922			
February			
25	J. W. Harris	Caught hand	Bruised hand.
26	Jack Reagen	Hit knee	Bruised knee.
March			
11	Forest Adcock	Piece of steel fell on foot	Bruised foot.
April			
5	J. E. Tucker	Staging slipped	Sprained back.
13	Charles Frazee	Falling ground	Simple fracture of leg.
22	Luther Easly	Rolling boulder	Con. and lac. of rt. gt. toe.
29	Wm. Murray	Cutting steel	Con. rt. hand.
May			
9	Ralph Youtz	Blasted	Fractured skull.
13	Wm. O. Wills	Rolling boulder	Lac. over rt, lung, rib frac.
28	Ed. Jerswald	Chain broke	Avulsion left arm, scalp wound, lac. over eye.
31	H. Hedman	Timber fell off truck	Con. & Abr. rt. foot.

DATE	NAME	CAUSE	NATURE
1922			
June			
6	H. C. Downs	Slipped	Sprained lumbar muscles.
27	Joe Parvin	Squeezed by cars	Bruised rt. pelvis.
July			
8	E. T. Kirkpatric	Rolling rock	Bruised foot.
14	W. R. Hall	Box knocked him off motor	Slight bruise.
7	Sam Oling	Falling boulder	Fractured leg.
GOLD ORE MINING CO.			
March			
25	R. P. Shive	Shock	Paralysis.
INSPIRATION CONSOLIDATED COPPER CO.			
1921			
December			
9	Simon Calderon	Struck by door handle	Con. right foot.
1922			
January			
21	Manuel Gonzales	Fall of rock	Con. right leg.
February			
12	H. K. Brown	Fell over timber	Bruised chest.
24	Claude Cornett	Fell under train	Lacerated right leg.
25	Francis Stone	Caught arm	Contusion right arm.
March			
10	Francis Peterson	Falling rock.	Contusion right leg.

DATE	NAME	CAUSE	NATURE
IRON CAP COPPER CO.			
1922			
February			
3	John Halloran	Lifting	Sprained back.
6	Dan Sabich	Fall of rock	Slight bruise.
25	Barney Sanchez	Fall of rock	Fractured little finger.
March			
29	Mike Pavich	Explosion of cap	Lacerated toes of left foot.
April			
8	Daniel Torres	Caught finger	Tip ring finger rt. hand pinched off.
May			
10	Ed. Walters	Falling rock	Sprained ankle and frac. fibula.
17	Eli Vucsonovich	Caught finger	Cut finger of right hand.
19	L. J. Montgomery	Rolling rocks	Bruises on face and chest.
August			
22	Francisco Yniguez	Rolling rock	Bruised back and knees.
September			
6	John Meyer	Drill machine feel on foot	Bruised dorsum right foot.
October			
14	Frank Verdugo	Car jumped track	Mashed end little finger of left hand.
KATHERINE GOLD MINING CO.			
1921			
December			
17	Ernest Graham	Engine gave way	Broken and crushed left ankle & leg.

DATE	NAME	CAUSE	NATURE
1922			
January			
1	J. H. Beauchamp	Caught finger	Mashed middle finger of right hand.
April			
19	W. E. Cummins	Cap exploded	Cuts on abdomen and face.
September			
2	Frank Graham	ar slipped	Struck over heart and left shoulder.

MAGMA COPPER CO.

1921			
December			
11	Julian Villaponda	Slipped and caught thumb	Contusion and lacerated right thumb.
1922			
January			
28	Joe Santa Cruz	Dropped steel on foot	Contusion of toe.
February			
22	C. M. Soule	Rust in eye	Loss of left eye .
April			
17	Santiago Carillo	Dust in eye	Irritation left eye.

MIAMI COPPER CO.

1921			
December			
20	Gregorro Olmos	Rock against foot	Contusion dorsal surface left foot.
28	Jesus Macias	Carbody on finger	Compound fracture fingers.

DATE	NAME	CAUSE	NATURE
1922			
January			
10	Andres Gomez	Struck hand	Contusion, lacerated hand.
11	Cruz Rodriguez	Caught foot	Contusion, lacerated toes.
12	Hyle Campbell	Caught hand	Lacerated little finger.
16	J. Carbajal	Handling timbers	Laceration and contusion fingers.
22	Santos Moreno	Blast	Ruptured both eardrums.
23	Adolph Aginlera	Rock down raise	Strained tendon right wrist.
1922			
January			
25	John Hecimovich	Handling timber	Right inguinal hernia.
February			
1	Pete Ragas	Caught foot between motor and car	Fractured right gt. toe.
9	Maurice Heddermon	Run of ore from chute	Con. and lac. left middle finger.
9	Carl Jacobson	Fell through grizzly	Laceration of pelvis.
9	Francisco Quituiz	Fell through grizzly	Abrasion inside both thighs.
22	Francisco Roctin	Run of ore from chute	Contusion dorsal surface toes.
25	R. Sandoval	Fell astride grizzly	Contusion of perineum.
25	W. C. Torrence	Caught hand bet. car and chute	Lacerated surface fingers.
March			
15	Herman H. Hanning	Blast	Ruptured membranes both ears.
16	Tomas de Anda	Fall of rock	Con. and lac. of left arm.
16	C. S. Lopez	Run of ore from chute	Con. dorsal surface left gt. toe.
18	Tirso Espinoza	Caught finger bet. car and chute	Destruction soft tissues left mid, fing.
20	J. A. Sanchez	Run of ore from chute	Con. dorsal surface rt. ring finger.

DATE	NAME	CAUSE	NATURE
22	Pablo Huerta	Run of ore from chute	Con. and lac. left mid, finger.
23	Matt Cumpard	Run of ore from chute	Lac. back of left hand.
24	Gabriel Fiel	Run of ore from chute	Con. lac. nail left little finger.
April			
5	Jesus Carbajal	Timber fell on foot	Contusion of right gt. toe.
5	Seferino Moreno	Rock down chute	Contusion of right gt. toe.
10	Augusta Marinello	Fall of rock	Con. and lac. left index finger.
11	M. Machada	Run of ore from chute	Contusion of right leg.
15	Eleno C. Velasquez	Run of ore from chute	Lac. palmar & dorsal surfaces left ring and little fingers.
16	A. R. Campa	Caught finger bet. car and chute	Amp. distal phalanx lt. little finger.
17	Juan Banda	Rock struck finger	Con. proximal phalanx rt. ring finger.
17	A. Ortega	Timber fell on foot	Fracture of right great toe.
27	Juan Verdugo	Timber fell on foot	Fractured left gt. and little toes.
29	Candalario Espinosa		Frac. tip external malleolus of fibula.
May			
7	F. Garcia	Fell astride rail	Contusion of perineum.
9	Manuel Oetoa	Caught foot	Con. dorsal surface left great toe.
13	Ysabel Jiminez	Foreign body in eye	Cornea, lower margin left eye.
23	B. M. Perez	Car wheel on foot	Contusion left great toe.
26	Augusto Marinello	Run of ore from chute	Puncture wound and contusion leg.
29	J. Sanchez	Caught finger	Lac. and con. wound left ring finger.
June			
6	Segunda Correra	Between car and post	Con. and abrasion right ileum.
11	Clemente Chavez	Handling timbers	Con. & abrasion left leg.

DATE	NAME	CAUSE	NATURE
11	Sabas Herrera	Fall of rock	Fracture of metatarsals.
12	Jose Romo	Timber fell on foot	Contusion dorsum of right foot.
20	Vincente Elvetia	Timber on hand	Contusion fingers of left hand.
22	Abetino Rodriguez	Struck finger with hammer	Lac. con. wound right index finger.
29	S. Sanchez	Fell into raise	Torsion right knee and swelling.
July			
26	H. B. Perez	Hand between car and chute	Con. distal phalanx left index finger.
27	Frank Pier	Fall of rock	Contusion dorsum right foot.
August			
1	Marcelino Martinez	Finger between car and chute	Lac. & con. wound rt. little finger.
6	Luis Rodriguez		Complete trau. avul. nail left rg. fing.
7	Steve Asan		Con. cheek and loosened teeth.
9	Lucas Martinez		Contusion over metatarsals.

NEW CORNELIA COPPER CO.

1922			
February			
18	Frio Contreras	Dropped track section on foot	Mashed right great toe.
May			
31	Felisardo Montijo	Cake of ice dropped on foot	Bruised left foot.
June			
17	Francisco Sotella	Machine fell	Lac. con. fingers of left hand.
26	H. C. Wood	Falling rock	Lac. wound great toe left foot.
August			
5	N. A. Finley	Caught foot	Lac. wound, right foot.

September			
15	Jesus Gallindo	Careless use of crow bar	Bruised hand.
October			
27	Manuel Pestano	Dropped railroad tie on foot	Lac. wound left great toe.

OLD DOMINION CO.

1922

February			
6	G. H. Willis	Struck hand	Lacerated back of left hand.
22	L. D. Cox	Dropped rock on foot	Contusion great toe.
March			
1	Nick Katich	Falling ground	Wound in groin.
17	William Churchill	Falling ground	Contusion over left ribs.
30	G. P. Peterson	Falling timber	Fractured left great toe.
31	W. R. Olson	Escaping steam	Burned right side and arm.
April			
	J. S. Johnstone	Dirt in eye	Corneal ulcer right eye.
6	R. E. Curtis	Falling rock	Contusion left foot.
11	K. Szynczyk	Timber falling	Contusion right ankle.
14	Matt Katich	Falling ground	Contusion of back.
16	I. J. Kinsman	Struck by broken bell line	Contusion right leg.
18	Steve Bradovich	Falling cage bar	Abrasion left shin.
18	E. F. Kellum	Falling ground	Fractured pelvis.
21	W. R .Brown	Falling rock	Back injury.
28	A. L. Dees	Falling rock	Incised wound of scalp.

DATE	NAME	CAUSE	NATURE
MAY			
8	Victor Christensen	Derailment motor train	Fractured right ankle.
11	Ramon Aros	Fell down stope	Lacerated right knee.
12	J. F. Gorden	Lifting lagging	Sprained back.
18	J. S. Johnstone	Dirt in right eye	Abrasion right eye.
20	E. Alvarado	Motor ran over foot	Fractured right foot.
25	P. C. McCormick	Falling timber	Contusion right leg.
25	Mike Popovich	Falling rock	Fracture in right foot.
26	Thos. J. Hocking	Fell down raise	Fractured left leg .
29	Ramon Gonzales	Car ran over foot	Fractured great toe.
June			
2	Arthur Travillian	Derailment motor train	Fractured left arm.
7	Pete Price	Falling rock	Contusion left hand.
15	Mike Zavata	Falling over in stope	Fractured left little finger.
22	Alvin Lewis	Falling ground	Incised fracture left leg.
24	Geo. Johnston	Falling ground	Fractured left leg.
29	Bert Kinister	Falling ground	Contusion knee and foot.
29	John Thomas	Falling collar brace	Cut on nose.
30	Bert Long	Falling rock	Fractured one toe.
July			
1	E. S. Thomas	Struck by cage	Scalp wound infected.
3	Sam Javavich	Tramming car past chute	Contusion end left middle finger.
6	Francisco Diaz	Falling rock from chute	Contusion thumb.
11	Tom Williams	Falling keg spikes	Fracture of left foot.
12	Mike Sankovich	Timber falling over	Bruised hip.

DATE	NAME	CAUSE	NATURE
19	John Scott	Rock fell through chute	Contusion left middle finger.
21	John Saylor	Blowout of air line	Fracture of left hand.
21	Mike Lyons	Blowout of air line	Eyes injured.
21	W. R. Olson	Blowout of air line	Eyes injured.
27	Warren Pace	Falling rock	Fractured left ring finger.
29	Antonio Tezanos	Fall	Abrasion shoulder.
31	Jack T. Williams	Falling collar brace	Puncture wound left knee.
August			
1	Matt Katich	Powder smoke	Overcome by smoke gas.
4	B. W. Tomerling	Rock fell from chute	Contusion great toe.
24	Diego Saldana	Flying piece of rock	Laceration of finger.
25	C. B. McMichael	Falling ground	Contusion of back.
26	Manuel Parra	Falling rock	Contusion left leg.
September			
3	J. H. Dempsey	Falling ground	Contusion arm, side and leg.
11	Evo Vukcevich	Falling collar brace	Contusion neck and chest.
26	Nick Tritka	Falling rock	Fractured right great toe.
28	Manuel Carrasco	Dirt in eye	Foreign body left eye.
30	Fred Ball	Falling piece of timber	Contusion left shoulder.
October			
20	Mike Sato	Falling rock	Puncture wound left hand.
21	Aaron Furnas	Falling object	Fractured great toe.
28	Roy Van Winkle	Handling timber	Contusion thumb.
November			
1	Matt Wepsa	Bruised finger	Infection right index finger.

DATE	NAME	CAUSE	NATURE
2	J. M. Thomas	Falling ground	Contusion of foot.
9	P. Senonovich	Flying rock struck eye	Contusion right eye.
16	R. L. Pinyan	Struck himself with hammer	Fractured right foot.
18	Geo. Dapcevich	Falling rock	Fractured foot.
21	Ysidro Carrasco	Falling rock	Lacerated right hand.
24	Sam Miller	Dirt in eye	Contusion left eye.
24	Mike Stagdular	Dust in eye	Infection right eye.

PHELPS DODGE CORPORATION—(Copper Queen Branch)

1921			
December			
5	George Kelly	Hit hand	Lacerated back of left hand.
8	P. F. Larsen	Rock struck him in eye	Laceration of right eye.
11	Joseph Williams	Finger punctured by wire	Pun. wound right middle finger.
13	B. J. Johnson	Struck elbow	Right arm broken at wrist.
19	Edward Nicholas	Truck struck foot	Fractured left little toe.
1922			
January			
5	John Loving	Falling ground	Fracture of nasal bone.
7	Harry Hellon	Slipped and fell	Contusion and sprained back.
13	V. L. Murray	Partner struck hand	Lacerated back of right hand.
30	Liborio Romero	Truck turned over on foot	Fractured right big toe.
31	E. W. Ranes	Lifting car	Double hernia.
February			
2	Lee S. Goble	Cage bar dropped	Frac. and lacerated left little finger.
16	Howell Jones	Falling rock	Frac. 2nd met. right foot.

DATE	NAME	CAUSE	NATURE
17	Ben Mathews	Falling ground	Fractured back and contusion of neck.
22	Edward Nicholas	Transformer tipped over	Toes of right foot fractured.
March			
2	S. M. Hunter	Throwing boulder	Sprained ankle.
14	Jesus Ledesma	Timber fell on foot	Fractured 3rd met. left foot.
16	C. F. Pylant	Acid splashed on shoe	Right foot burned.
17	Aaron Kennaugh	Chute door fell on track	Laceration of fingers.
April			
7	Ramon Fimbres	Falling rock	Severe laceration back of hand.
8	Frank Sandry	Rock struck hand	Puncture wound.
10	J. W. Corcoran	Falling rock	Right big toe fractured.
18	C. E. Stokely	Lifting plank	Sprained back.
24	R. McKim	Bar struck him	Rib frac. and con. right shoulder.
May			
25	Alex Kidd	Stull struck foot	Right big toe fractured.
26	Wilbert Jewell	Struck thumb with ax	Left thumb fractured at joint.
June			
2	Fred Tindol	Machine slipped away	Right ring finger fractured.
5	J. W. Corcoran	Plank struck foot	Right big toe fractured.
7	E. M. Fisher	Rolling boulder	Right leg broken.
7	Rosendo Rodriguez	Jack arm drag boulder caught legs	Severe bruises legs bet. knee & ankle.
10	Gust Johnson	Falling ground struck foot	Ankle fractured.
12	Phil Nowlin	Car ran over finger	Flesh rt. little finger amputated.
24	Roger Kennedy	Falling ground	Back bruised and sprained.
29	I. F. Looney	Piece slipped out of rope	Fracture of left foot.

DATE	NAME	CAUSE	NATURE
29	Blas Skvicalo	Falling rock	Lacerated back of right hand.
30	J. C. Ellis	Falling rock	Fractured right little toe.
July			
3	John Schannen	Struck arm against timber	Scratch on right arm.
12	John W. Keahey	Boulder struck foot	Fractured right big toe.
28	C. E. Johnson	Drilled into missed hole	Loss of sight of both eyes.
28	R. J. Radcliffe	Rolling boulder	Con. and lacerated left shin.
31	James Aiken	Pick struck foot	Puncture wound right foot.
31	Joe Nicholas	Fell off motor	Lacerated scalp and back.
August			
1	Thomas Knowles	Edge of ax struck finger	End joint left mid. finger amputated.
1	Charles Mirlink	Struck finger on boulder	Extensor tendon rt. mid. fing. severed
4	P. M. Byerly	Caught by ore cartridge	Ribs of left side fractured.
11	A. S. Orton	Foot slipped between couplers	Left big toe fractured.
22	Irvin Western	Caught hand against post	Joint of rt. mid. finger amputated.
24	William Jowles	Falling ground	Both legs broken.
23	Jack Waters	Falling ground struck hand	Met. bone left little fin. fractured.
September			
2	J. B. McClure	Rolling boulder	Two fin. rt. hand amp. at distal joint.
4	Joe Maihen	Falling ground	Left hand bruised.
13	J. J. Corkill	Falling ground	Fractured left wrist.
15	John Hobbs	Falling rock	Rib frac. right side.
15	Roger Sabin	Rock struck knee	Right knee cap fractured.
19	John C. Taylor	Caught thumb bet. car and drift	Con. and laceration right thumb.
21	Luz Cruz	Dropped piece of timber	Contusion right ankle.

DATE	NAME	CAUSE	NATURE
25	J. P. Koukosky	Car rolled on ankle	Frac. left tibia and fibula at ankle.
26	Herschel Nicholson	Tramming ore	Sprained back.
27	E E. Barnett	Heavy lifting	Left inguinal hernia.
28	Carl Carlson	Piece of steel struck him in eye	Perm. impairment vision of left eye.
30	Silvestre Juarez	Piece or boulder struck him in eye	Severe con. of eye ball of left eye.
30	E. D. Lane, Jr.	Rolling rock struck foot	Incomplete frac. met. bone rt. lit. toe.
October			
2	Emil Vrbanac	Fell on boulders	Fractured ribs of right side.
14	C. H. Martin	Falling rock struck hand	Three fingers lf. hand bruised & lac.
23	Dan Goins	Slipped while lifting timber	Sprained back and left hip.
31	S. A. West	Falling rock	Severe bruise over left kidney.
November			
1	Ed. King	Piece of timber struck foot	Left big toe fractured.
1	Tom Morrow	Falling rock	Right thumb fractured.
4	Leo Poe	Struck by car	Contusion back and chest.
9	Pablo Marujo	Caught thumb	Left thumb fractured.
13	J. L. McNeil	Slab slipped	Slight fracture left ankle.
14	E. J. Baker	Falling rock	Lacerated hand and con. chest.
14	G. H. Middleton	Caught finger in hinge	Frac. dis. phal. left middle finger.
21	J. R. Cain	Wheel caught hand	Frac. met. bone rt. little finger.
22	Michael Haas	Explosion	Fingers & small por. hand blown off.
29	Amador Nabor	Fell while carrying stoper	Amp. one quarter right index finger.
29	Antonio D. Valdez	Falling dirt	Dirt fell into right eye.

DATE	NAME	CAUSE	NATURE
1922			
January			
6	Santiago Eras	Flying chips of rock	Chip in left eye.
6	Matilde B. Munoz	Falling dirt and dust	Dirt in left eye.
10	Juan Merino	Timber falling from truck	Both hips bruised.
11	Matias Chavez	Bar struck chin	Several teeth out.
February			
13	Charley Larra	Loading scraper, handle flew over.	Shoulder bruised.
24	Timoteo Arias	Piece of steel in eye	Injury to eye.
27	Joe Italiano	Jumped across ditch	Hernia.
March			
17	Concepcion Giter	Loading hole, powder went off	Permanent partial deafness.
27	Eulogio Aragon	Loosened hose on air line without turning air cock and air struck him in the face	Injury to eye.
April			
19	Dionicio Martinez	Lump of dry concentrates fell	Broken bone in toe.
May			
1	Salvador Valdez	Drill fell	Shoulded bruised.
7	Adelaido Moreno	Dust in eye while drilling	Injury to eye.
10	David Eldizalde	Dirt in eye	Injury to eye.
10	Pablo Marquez	Slipped and fell on track	Back bruised.
19	Juan Pinon	Strained side while pulling wrench	Strain in left groin and side.
23	Juan Rojero	Fell while carrying machine	Broken finger and lacerated hand.

June			
11	Jose Ynojos	Drill broke	Injury to eye.
18	Feliz Macias	Struck in breast with bar	Rib fractured.
30	Robert Nardelli	Slipped and fell on edge of plank	Fractured rib.
July			
1	Pedro Ortega	Piece of dry concentrates fell	Bruise on shin.
15	Julio Vicario	Caught end of little finger	Mashed off end of finger.
August			
4	Ben Sandoval	Trying to pull foot out of mud	Injury to knee.
13	Dan Cislaghi	Slipped and fell	Fractured rib.
18	Cruz Ortega	Slipped and fell	Cuts on head and near eye.
22	Juan Ropero	Dirt in eye	Injury to eye.
September			
11	Jesus Gonzales	Dirt in eye	Injury to eye.
23	E. Mitchell	Struck knee against piece of iron	Injury to knee cap.
October			
4	Carmen Jimenez	Falling rock	Bruised toe.
10	Santos Colorado	End of finger against saw	Saw split nail on finger.
15	Julio Vicario	Caught thumb bet. post and bar	Tore right thumb loose.
16	Ignacio Valenzuela	Tie fell on finger	Injury to 2nd finger left hand.
22	Manuel Calderon	Slipped and fell	Injured hip.
28	Amado Murillo	Falling rock	Injured finger.
31	Jose Rojo	Dropped piece of pipe	Bruised toe.
November			
9	Carlos Marquez	Falling rock	Bruised finger.

DATE	NAME	CAUSE	NATURE
24	Jose Garcia	Rail struck leg	Contusion and abrasion left leg.

RAY CONSOLIDATED COPPER CO.

1922

March			
13	E. J. Hopkins	Caught hand	Injured finger.
April			
17	Jose Salazar	Squeezed by car	Injured shoulder blade.
21	Pascual Jaurequi	Chute door	Injured finger.
25	Melecia Martinez	Caught under motor step	Injured foot.
May			
18	Jose Santillon	Falling ground	Injured back.
29	Jorge Gomez	Rock striking pick bar	Injured head.
29	Eulogio Moreno	Falling ground	Injured back.
June			
4	Anatio Guerrero	Cutting cars	Injured elbow.
4	Juan Tejeda	Rock in chute	Injured finger.
6	Bernardino Gutierrez	Falling rock	Injured back.
29	Felipe Vasquez	Coupling cars	Injured hand.
July			
2	Elijio Moreno	Falling block	Injured arm.
16	Ursalo Esquibel	Cap explosion	Injured eye.
24	Eugenio Aspinosa	Cap explosion	Injured hand.
August			
13	Abundio Mercado	Falling rock	Injured toe.
		Pushing car	Sprained wrist.

DATE	NAME	CAUSE	NATURE
23	Francisco Hernandez	Falling rock	Injured hand.
October			
9	Apolinar Mejia	Rock from chute	Injured toe.
19	Jesus Mercado	Caught in gears	Injured fingers.
24	Monico Gonzales	Struck by chute bar	Injured foot.
24	Jose Sotomayor	Slipped and fell	Injured leg.
31	Enedino Preciado	Falling rocks	Injured knee, shoulder and hand. Received notice Dec. 14, 1922 that death occurred Nov. 7, 1922.
November			
6	Isaac Ortega	Falling rock	Bruises.
23	J. R. Harris	Falling horse	Broken knee.
27	Nascario Ponce	Squeezed by car	Arm and shoulder.

SUPERIOR AND BOSTON COPPER CO.

1922			
June			
9	Felipe Montana	Pick on car caught timber	Lac. wound left ring finger.
August			
4	James Murphy	Falling rock	Large scalp wound.
9	Max Huntsman	Falling rock	Lefts potts fracture.
September			
11	Manuel Sianez	Caught between cars	Contusion left foot.
November			
3	Rogelio Valencia	Falling ground	Fracture left leg.

DATE	NAME	CAUSE	NATURE
UNITED EASTERN MINING CO.			
1921			
December			
13	H. A. Wright	Machine drill mashed finger	Lacerated right ring finger.
1922			
January			
9	Vincente Neibla	Falling down stope	Lacerated nose and left knee.
February			
16	Tony Decker	Caught thumb	Contusion right hand.
19	Ollie Putt	Falling rock	Cut thru scalp and con. left shoulder.
23	Charles Keating	Caught fin. bet. car and chute	Severe laceration finger.
24	John Rand	Accidental explosion of primer	Pun. wounds over face and chest.
March			
4	D. C. Simpkins	Dropped ball mill liner	Contusion left foot.
May			
4	C. Josephson	Ball mill liner fell on hand	Laceration of fingers.
30	Jesus Valdez	Drill steel broke	Laceration of fingers .
June			
19	Frank Germini	Flying steel	Steel in eye.
23	Mike Gansrick	Flying steel	Laceration.
July			
25	Esteban Mendoza	Hand caught bet. chute and car	Lacerated finger left hand.
August			
13	G. Barba	Ran hand against a spike	Pun. wound of hand.
15	Jose Andrade	Slab fell	Con. left large toe.

DATE	NAME	CAUSE	NATURE
September			
2	Charles Paravicini	Drill steel fell on foot	Contusion of toe.
8	G. Corda	Struck foot with pick	Pun. wound of foot.
October			
12	Herman Wagner	Hit with bar	Con. left shoulder.
November			
6	G. Barba	Struck hand against car	Palmar abscess right hand.
1922			
January			
25	C. Agurre	Bar fell	Broken toe.
February			
2	George Moore	Fell with cage	Broken leg.
13	Paul Vonich	Explosion	Broken leg.
April			
17	Juan Orosco	Rolling rock	Crushed finger.
May			
5	John Svob	Caught in machine	Lost part of thumb.
10	Guadalupe Jiminez	Blasting	Loss of one eye.
14	Arthur Veith	Fell in stope	Broken leg.
June			
9	Julian Alvarado	Struck with pick	Injured foot.
13	Edward Diaz	Caught hand in machine	Crushed thumb.
20	Jose Agula	Fell down bank	Broken shoulder.
20	A. Fabela	Jammed against timbers	Broken finger.
20	Guadalupe Salas	Ran over by car	Broken toe.

DATE	NAME	CAUSE	NATURE
22	Manuel Carasco	Struck by car	Bruised shoulder.
July			
16	Y. Montes	Rolling rock	Broken finger.
August			
11	Albino Gallardo	Flying rock	Rock in eye.
16	Anito Acosta	Rolling rock	Bruised heel.
28	Santiago Corrall	Rolling rock	Bruised finger.
29	G. Valencia	Fell down bank	Broken nose.
29	Wiley Whited	Jammed in machine	Broken finger.
September			
9	Filipe Adame	Rolling rock	Broken toe.
9	Arcadio Prieto	Falling rock	Broken bone in foot.
9	B. R. Roberts	Rolling rock	Cut leg.
12	N. Y. Holmes	Rolling rock	Mashed hand.
27	John Holmes	Fell down	Ribs and back bruised.
30	Mike Zioli	Struck by bar	Broken finger.
October			
4	Ascencion Perez	Rolling rock	Mashed finger.
7	J. C. Shelley	Oil explosion	Burned.
19	Chris. Rafaelovich	Setting timbers	Twisted back.
UNITED VERDE EXTENSION MINING CO.			
1922			
January			
10	Refugio Najera	Slipped and fell	Back muscles sprained.
[illegible]	G. M. Chapman	Falling rock struck leg	Broken leg.

25	Nick Obradovich	Falling rock	Bruised musc. gen. region of ribs.
April			
8	Genero Yniguez	Hand cars	Cut fingers.
11	C. Cassillas	Rock fell against leg	Abrasion of ankle.

WILLIAMS & MASSEY.

1922

September			
20	Frank Durazo	Fell removing plank from winze	Comp. frac. rt. leg above ankle.
October			
1	Ignacio Gonzales	Rock fell down winze	Sprained ankle.

FATAL ACCIDENTS

ARIZONA TUCSON COPPER CO.

Oct. 24, 1922 .....J. L. Stanley .....Fell into shaft.

BUNKER HILL MINES CO

May 26, 1922 .....Willie McCargo .....Explosion.

CALUMET AND ARIZONA MINING CO.

April 24, 1922 .....Charles T. Barrett ....Picked into missed hole.

May 17, 1922 .....George Staley .....Thrown over bar and under w
Chest crushed.

COOK GROUP OF MINING CLAIMS

April 1, 1922 .....Frank Piper .....Explosion.

GOLD ORE MINING CO.

Mch. 25, 1922 .....Grover Skelton .....Fell down shaft.

May 26, 1922 .....Thomas Nartelli .....Fell off ladder.

INSPIRATION CONSOLIDATED COPPER CO.

Dec. 29, 1921 .....James Mullarney .....Caving ground.

July 30, 1922 .....Daniel Zeboni .....Timbering gave way and carried
ceased about 100 feet down shaf

Aug. 3, 1922 .....Walter E. Baldwin ....Coupling hook caught in sprea
plate of bridge.

Oct. 4, 1922 .....Jesus Mendez .....Falling rock.

Oct. 9, 1922 .....Lloyd E. Class .....Caught head between lumber and
causing fracture at base of skull.

Nov. 17, 1922 .....Nicholas C. Jose .....Suffocated.

IRON CAP COPPER CO.

May 29, 1922 .....W. S. Crowe .....Fell through waste chute in raise.

KATHERINE GOLD MINING CO.

Dec. 17, 1921 .....Leonard H. Whitney..Struck head and body by flying pa

MIZPAH MINE

June 30, 1922 .....John Gaca .....Hoisting iron broke striking decea
on head.

PHELPS DODGE CORPORATION—(Copper Queen Branch)

Dec. 16, 1921 .....Joe Besil .....Falling ground.

May 29, 1922 .....Eli Vuksanovich .....Back of stope caved in.

May 29, 1922 .....J. L. Regan .....Back of stope caved in.

Oct. 19, 1922 .....Chris. Yucedalich .....Caving ground.

HELPS DODGE CORPORATION—(Morenci Branch)

v. 29, 1922 .....Jose M. Lopez .....Caught between cars and side of tunnel.

AY CONSOLIDATED COPPER CO.

ril 13, 1922 .....Diego Martinez .....Motor left track.

ne 8, 1922 .....Florencio Rodorle ....Chute bar caught by falling rock.

DADSIDE MINE

v. 26, 1922 .....Angelo Urquijo .....Struck by iron ore bucket.

VENTY-NINE MINING CO.

r. 14, 1922 .....J. B. Fimbres .....Fall of rock from roof of stope.

t. 14, 1922 .....Jesus Sandoval .....Fall of ground.

IEA COPPER CO.

pt. 6, 1922 .....Martin Jugovich .....Safety-hook became unfastened.

NITED VERDE COPPER CO.

t. 25, 1922 .....Francisco Quesada ....Fell through chute.

NITED VERDE EXTENSION MINING CO.

ril 21, 1922 .....Juan Gonzales .....Muck came down on him.

VIAN MINING CO.

g. 21, 1922 .....A. E. Nichols .....Fell into shaft.

SUMMARY

NAME OF OPERATOR	No. of Men Employed Last Insp.	ACCIDENTS Fatal	Non-Fatal
American Smelting and Refining Co.	8		
Arizona Commercial Mining Co.	105		11
Arizona Copper Co., Ltd.			2
Arizona Hercules Copper Co.	47		
Arizona National Mining Co.	11		
Arizona Tucson Copper Co.		1	
Bonham, Pope and Ryal	7		
Boras Leasing Co.	33		
Bullard and De Albini	13		
Bunker Hill Mines Co.		1	
Calumet and Arizona Mining Co.	624	2	17
Central Copper Co. of Arizona, Inc.	85		
Chapman and Bullard	11		
Colson, Horton and Lorengen	8		
Commonwealth Development Co.	70		
Cook Group of Mining Claims		1	
Dives Mining Co.	7		
Frankenberg and Allison	6		
Gibben's Lease	10		
M. R. Gilman	11		
Gold Ore Mining Co.		2	1
Hilltop Metals Mining Co.	23		
Hobbs and Hargis	14		
Horn and Cook	7		
Hunt and Finity	7		
Inspiration Consolidated Copper Co.	1,080	6	6
Irish Mag Leasing Co.	8		
Iron Cap Copper Co.	138	1	11
Johnson Copper Development Co.	7		
Katherine Gold Mining Co.		1	4
Magma Copper Co.	112		4
C. A. McDonald	6		
Miami Copper Co.	862		53
Mildred Gold Mining Co.	7		
W. J. Mitchell	6		

AME OF OPERATOR	No. of Men Employed Last Insp.	ACCIDENTS Fatal	Non-Fatal
Tizpah Mine		1	
New Cornelia Copper Co.	75		7
Night Hawk Leasing Co.	28		
Datman Gold Mining and Milling Co.	13		
Datman United Gold Mining Co.	20		
Old Dominion Co.	579		65
Patterson and Smith	9		
Phelps Dodge Corporation (Copper Queen Branch)	1,172	4	74
Phelps Dodge Corporation (Morenci Branch)	210	1	38
Ray Consolidated Copper Co.	760	2	25
Reese and Smith	9		
Roadside Mine	15	1	
Rosement Development Co.	27		
Seventy-Nine Mining Co.	73	2	
Shaw and Cromer	12		
Shea Copper Co.		1	
Sheldon Mining Co.	18		
Shields and Hughes	6		
Signal Mines Co.	35		
Southwest Metals Co.	106		
Stargo Mines, Inc.	25		
Superior and Boston Copper Co.	115		5
Swansea Con. Gold and Copper Mining Co.	204		
Telluride Mining, Milling & Development Co.	14		
Tom Reed Gold Mines Co.	100		
United American Mining Co.	16		
United Eastern Mining Co.	169		18
United Verde Copper Co.	929	1	28
United Verde Extension Mining Co.	364	1	5
Verde Central Mining Co.	52		
Vivian Mining Co.		1	
Williams and Co.	14		
Williams and Massey			2
Wolverine and Arizona Mining Co.	15		
Young's Mines Co.	35		
TOTALS	8,552	30	376

NUMBER OF

Mines Inspected, December 1, 1921-December 1, 1922	80
Inspections Made	102
Men Employed, Surface at Last Inspection	1,931
Men Employed, Underground at Last Inspection	6,621
Fatal Accidents	30
Serious and Minor Accidents	376
Inquests Attended	21

COST OF MAINTAINING DEPARTMENT: Dec. 1, 1921-Dec. 1, 1922:

Salary, Inspector	$3,000.00
Salary, Deputies (3)	7,200.00
Salary, Clerk	1,800.00
Traveling expenses—Inspector and 3 Deputies	3,611.21
Office Expense—Office supplies, telephone, telegrams, postage and extra clerk hire	357.98
TOTAL	$15,969.19

TOMBSTONE DAILY PROSPECTOR

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